Amendments to the Specification:

Please amend the paragraph on page 5, lines 17-34, beginning, "Furthermore, the present inventors produced an anti-Lrp4 antibody, and examined..." as follows:

--Furthermore, the present inventors produced an anti-Lrp4 antibody, and examined Lrp4 protein expression. First, by analyzing its expression in tissues (Fig. 8), the Lrp4 protein was confirmed to be expressed in the same way as Lrp4 mRNA. In this experiment, Lrp4 protein signals were also detected in TH-expressing areas. However, since the proliferative progenitor cells extend processes toward the outer layer of the neural tube, this signal could not be determined to be caused by detecting proteins on the processes or the TH-expressing cells also expressed the Lrp4 protein. Next, by using the anti-Lrp4 antibody, whether Lrp4 protein was expressed on the cell surface was analyzed by flow cytometry. Cells in which Lrp4 mRNA expression was confirmed were obtained by inducing the differentiation of ES cells into dopaminergic neuron progenitor cells *in vitro* (~~SDIA~~ stromal cell-derived inducing activity (SDIA) method), and used as samples. As a result, it was confirmed that the Lrp4 protein was certainly expressed on the surface of the cells (Fig. 9). Such proteins expressed on the cell surface are particularly preferable to use as separation markers because living cells can be selected (see Fig. 15). In addition, ES cells were induced to differentiate *in vitro* into the dopaminergic neuron progenitor cells by the 5-stage method, and Lrp4 expression was confirmed by RT-PCR and flow cytometry using the anti-Lrp4 monoclonal antibody. As a result, Lrp4 was revealed to also be expressed in dopaminergic neuron progenitor cells differentiated by the 5-stage method (Figs. 17A and 17B).--

Please cancel the present "SEQUENCE LISTING", pages 1/41-41/41, and insert therefor the accompanying paper copy of the Substitute Sequence Listing, page numbers 1 to 15, at the end of the application.